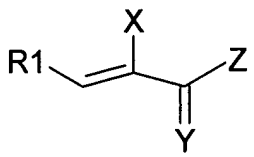
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1. – 77. (cancelled)

78. (new) A pharmaceutical or cosmetic composition comprising at least one of a pharmaceutically or cosmetically acceptable carrier and a pharmaceutically or cosmetically acceptable adjuvant and at least one active ingredient selected from compounds of formulae C1 to C17, including tautomers, stereoisomers thereof, pharmaceutically acceptable salts, salt derivatives, tautomers and stereoisomers thereof:

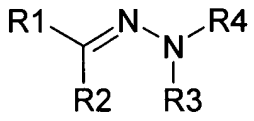


C1

wherein

- X and Z are identical or different and are independently selected from hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms from the group of N, O, P and S, and amino (NH_2, NHR^2, NR^2R^3);

- Y represents O, S or NR4;
- R1, R2, R3 and R4 are identical or different and are selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed, aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C1 via a C atom or a heteroatom;

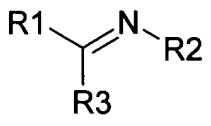


C2

wherein

- R1 to R4 are identical or different and are selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and

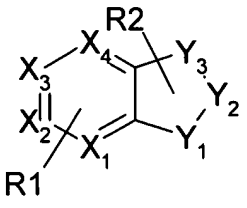
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C2 via a C atom or a heteroatom;



C3

wherein

- R1, R2 and R3 are identical or different and are selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P und S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C3 via a C atom or a heteroatom;

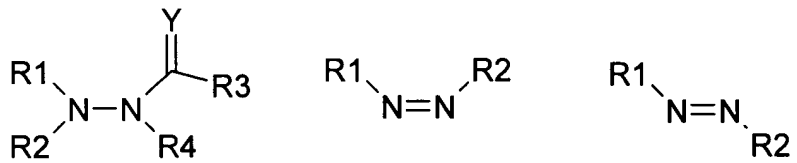


C4

wherein

- X1, X2, X3 and X4 are identical or different and represent CH or CR3 units;

- Y1, Y2 and Y3 are identical or different and represent substituted or unsubstituted carbon atom or heteroatom units having N, O, P or S ring atoms;
- R1 and R2 symbolize a substitution pattern of a respective partial ring, wherein R1 represents one to four identical or different substituents and R2 represents one to six identical or different substituents, which substituents are selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C4 via a C atom or a heteroatom;



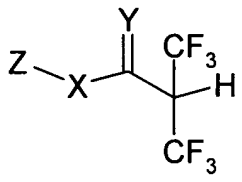
(a) (b) (c)

C5

wherein

- Y represents O, S, NH or NR5;

- R1 to R5 may be identical or different and are selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms from the group N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C5 via a C atom or a heteroatom;



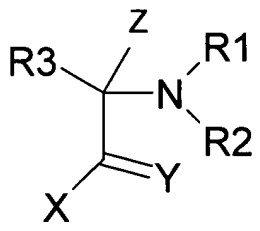
C6

wherein

- Y represents O, S, NH or NR1;
- X and Z are identical or different and are independently selected from hydroxy, thiol, C_1- to C_8 alkoxy, C_1- to C_8 alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, and amino (NH2, NHR2, NR2R3);
- R1 to R3 are identical or different and are selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl,

C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and

- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C6 via a C atom or a heteroatom;



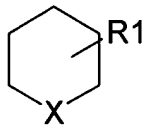
C7

wherein

- Y represents O, S, NH or NR4;
- X and Z are identical or different and are independently selected from hydroxy, thiol, C_1- to C_8 alkoxy, C_1- to C_8 alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, and amino (NH2, NHR5, NR5R6);
- R1 to R6 are identical or different and are selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or

condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and

- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C7 via a C atom or a heteroatom;



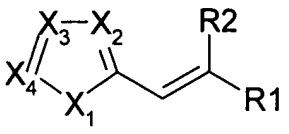
C8

wherein

- X represents a N, O, S or P heteroatom or a functional group containing one of these heteroatoms as a ring atom;
- a basic six-membered ring structure of C8 may contain up to three further heteroatoms X, wherein the heteroatoms may be identical or different;
- a basic six-membered ring structure of C8 may contain zero to three double bonds;
- R1 symbolizes a substitution of a basic six-membered ring structure of C8 and represents one to ten substituents;
- R1 is selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S,

unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and

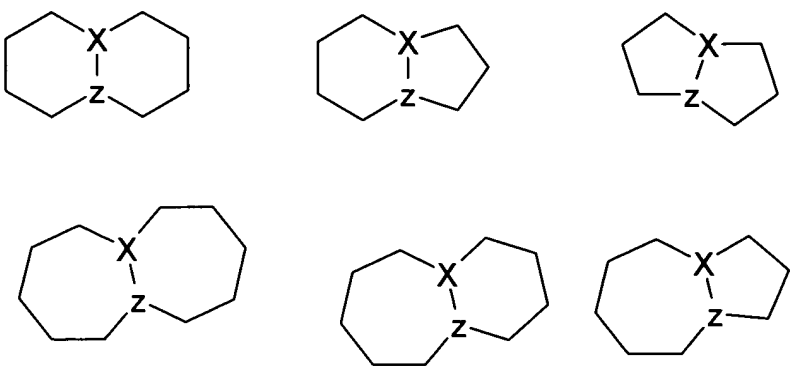
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C8 via a C atom or a heteroatom;



C9

wherein

- X1 represents CH_2, CHR3, CR3R4, NH, NR4, O or S;
- X2, X3 and X4 represent CH, CR5 or N;
- R1 to R5 are identical or different and are selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino;
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C9 via a C atom or a heteroatom; and
- a basic six-membered ring structure of formula C9 may contain zero to three double bonds;

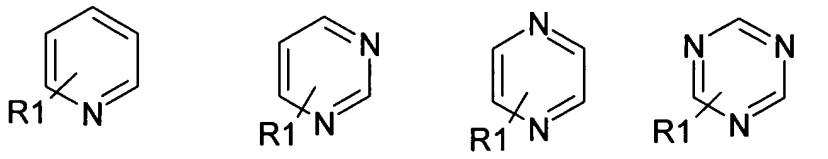


C10

wherein

- X and Z represent CH, CR1 or N and at least one of X and Z represents or comprises a heteroatom of a basic structure;
- partial rings may be substituted or unsubstituted, condensed or noncondensed and may comprise zero to three double bonds and further heteroatoms and heteroatom-containing groups corresponding to definitions for X and Z,
- R1 is selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12}- alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted oder substituted imino;
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C10 via a C atom or a heteroatom; and

- ring systems of basic structures may contain zero to three double bonds;

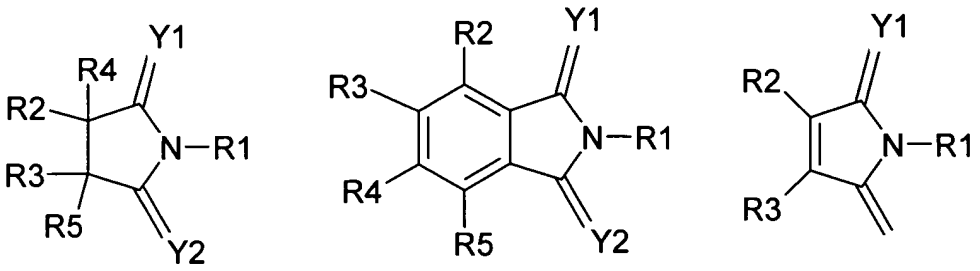


(a) (b) (c) (d)

C11

wherein

- R1 represents a substitution pattern of a basic heteroaromatic structure consisting of up to five identical or different substituents, R1 being selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C11 via a C atom or a heteroatom;

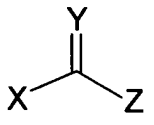


(a) (b) (c)

C12

wherein

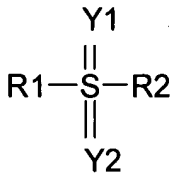
- Y1 and Y2 are identical or different and represent O, S, NH or NR6;
- R1 to R6 are identical or different and are selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms from the group N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C12 via a C atom or a heteroatom;



C13

wherein

- X and Z are identical or different and are independently selected from hydroxy, thiol, C_1- to C_8 alkoxy, C_1- to C_8 alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, and amino (NH_2, NHR1, NR1R2);
- Y represents O, S, NH or NR3;
- R1 to R3 are identical or different and are selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C13 via a C atom or a heteroatom;

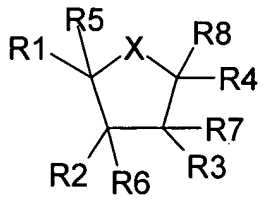


C14

wherein

- Y1 and Y2 are identical or different and represent O, S, NH or NR3;

- R1 to R3 are identical or different and are selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and
- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C14 via a C atom or a heteroatom;



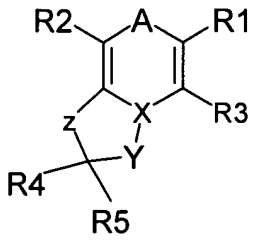
C15

wherein

- X represents O, S, NH or NR9;
- R1 to R9 are identical or different and are selected from hydrogen, unsubstituted or substituted, straight chain or branched C1- to C12 alkyl, C2- to C12 alkenyl and C2- to C12 alkynyl, hydroxy, thiol, C1- to C12 alkoxy, C1- to C12 alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted

amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino; and

- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C15 via a C atom or a heteroatom;



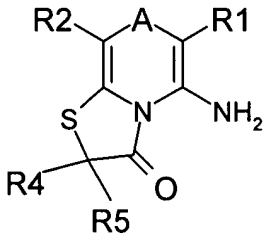
C16

wherein

- R1 to R5 are identical or different and are independently selected from hydrogen, CH_3, CH_2R6, CHR6R7, CR6R7R8, OH, OR6, NH_2, NHR6, NR6R7, C(O)R6, C(NH)R6, C(NR7)R6, C(S)R6, PH_2, PHR6, P(R6)R7, $P(O)(OH)_2$, P(O)(OH)(OR6), P(O)(OR6)(OR7) and CN;
- A, Y and Z are identical or different and are independently selected from CH_2, CHR9, CR9R10, C(O), C(S), C(NH), C(NR9), NH, NR9, NOH, NOR9, O, S, SO_2, PH, PR9, P(O)OH, P(O)OR9, $P(OH)_3$, $P(OH)_2POR9$, P(OH)(OR9)(OR10), P(OR9)(OR10)(OR11);
- X represents N, CH, CR12, P, P=O, $P(OH)_2$, P(OH)(OR12) or P(OR12)(OR13);
- R6 to R13 are identical or different and are independently selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to

C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino;

- heteroaromatic or heterocyclic residues are bound to a basic structure of formula C16 via a C atom or a heteroatom;



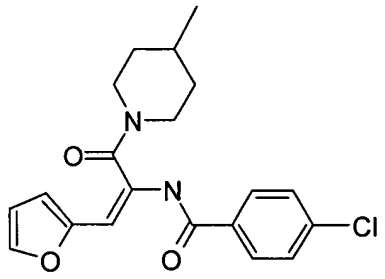
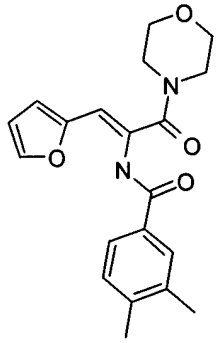
C17

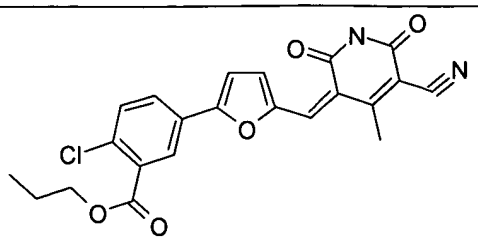
wherein

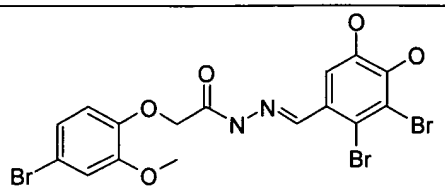
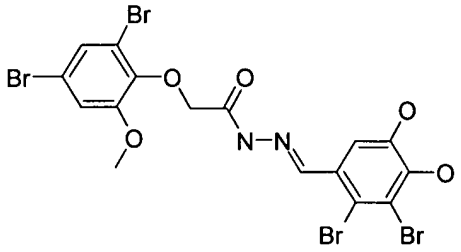
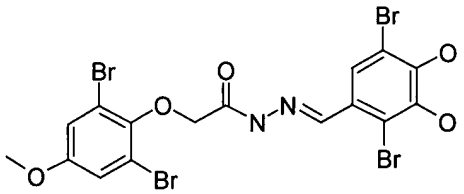
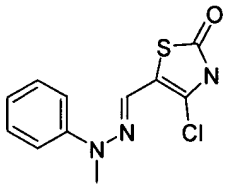
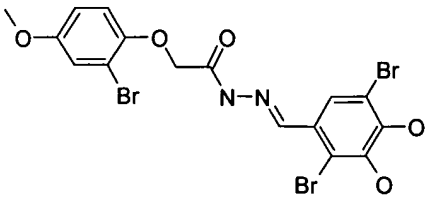
- R1 to R5 are identical or different and are independently selected from hydrogen, CH_3, CH_2R6, CHR6R7, CR6R7R8, OH, OR6, NH_2, NHR6, NR6R7, C(O)R6, C(NH)R6, C(NR7)R6, C(S)R6, PH_2, PHR6, P(R6)R7, $P(O)(OH)_2$, P(O)(OH)(OR6), P(O)(OR6)(OR7) and CN;
- A represents CH_2, CHR9, CR9R10, C(O), C(S), NH, NR9, NOH, NOR9, O, S, SO_2, PH, PR9, P(O)OH, P(O)OR9, $P(OH)_3$, $P(OH)_2POR9$, P(OH)(OR9)(OR10), P(OR9)(OR10)(OR11);
- R6 to R13 are identical or different and are independently selected from hydrogen, unsubstituted or substituted, straight chain or branched C_1- to C_{12} alkyl, C_2- to C_{12} alkenyl and C_2- to C_{12} alkynyl, hydroxy, thiol, C_1- to

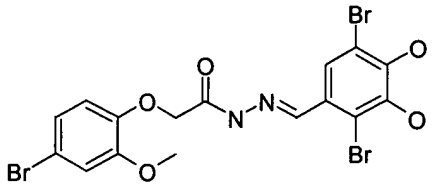
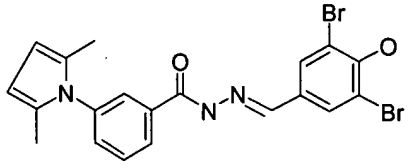
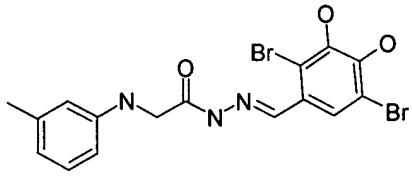
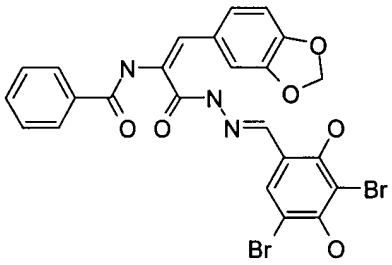
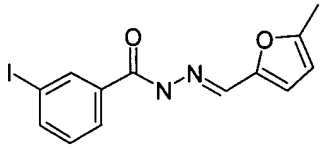
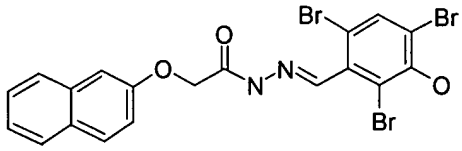
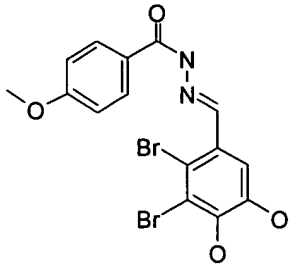
C_{12} alkoxy, C_1- to C_{12} alkylthio, unsubstituted or substituted, uncondensed or condensed aryl and cycloalkyl optionally containing one or several heteroatoms selected from N, O, P and S, unsubstituted or substituted amino, unsubstituted or substituted carbonyl, unsubstituted or substituted thiocarbonyl and unsubstituted or substituted imino.

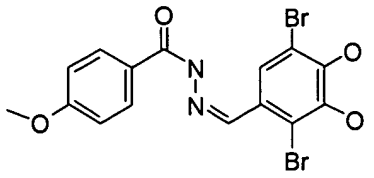
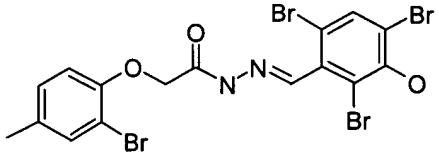
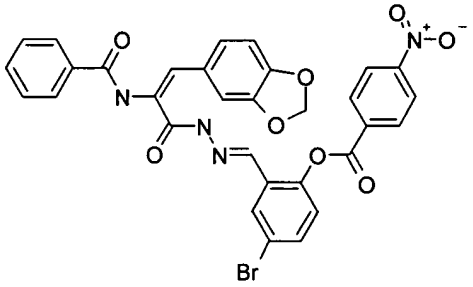
79. (new) The composition of claim 78, wherein the composition comprises at least one active ingredient selected from compounds of the following formulae, including tautomers, stereoisomers thereof, pharmaceutically acceptable salts, salt derivatives, tautomers and stereoisomers thereof:

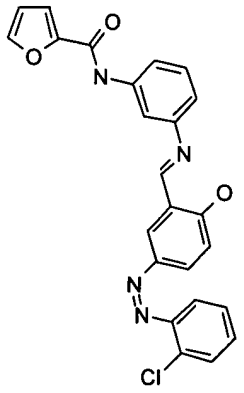
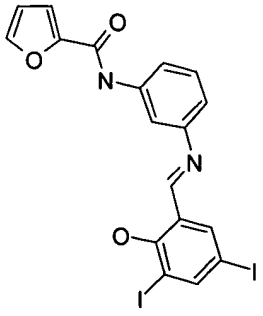
C1.001	
C1.002	

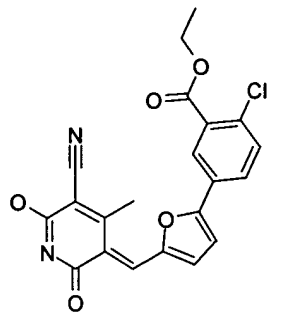
C1.003	

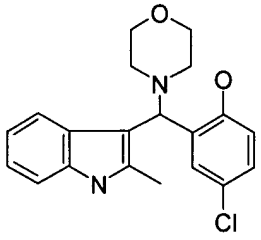
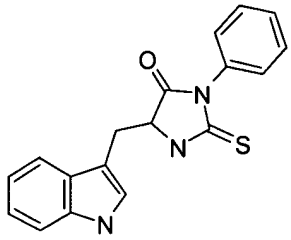
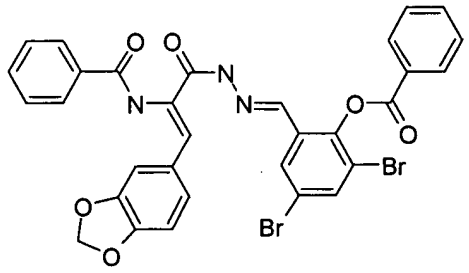
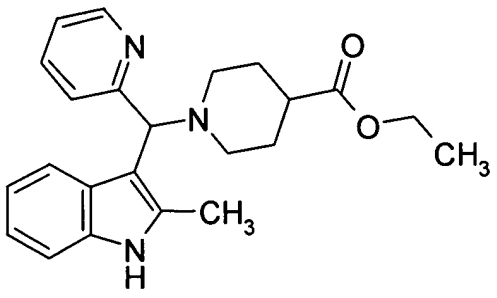
C2.001	
C2.002	
C2.003	
C2.004	
C2.005	

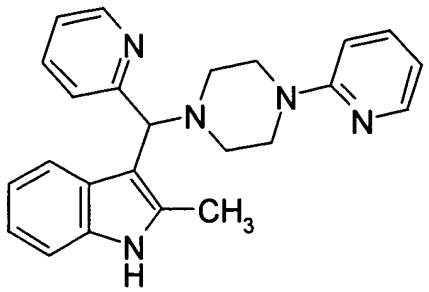
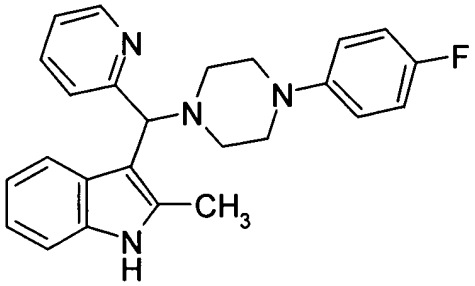
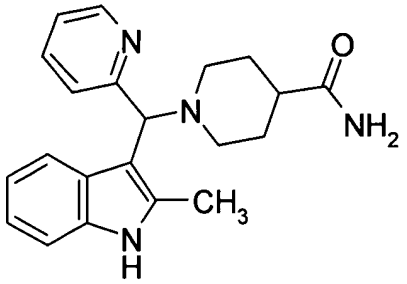
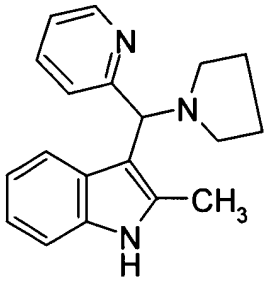
C2.006	
C2.007	
C2.008	
C2.009	
C2.010	
C2.011	
C2.012	

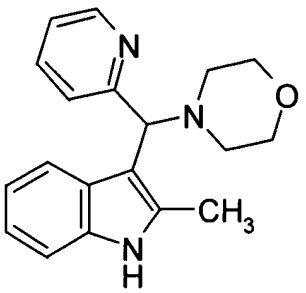
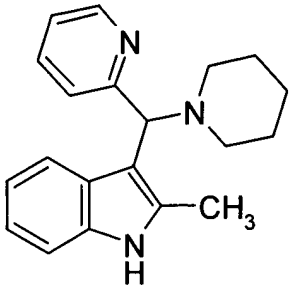
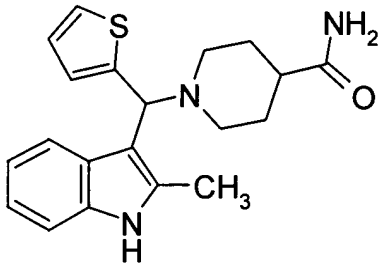
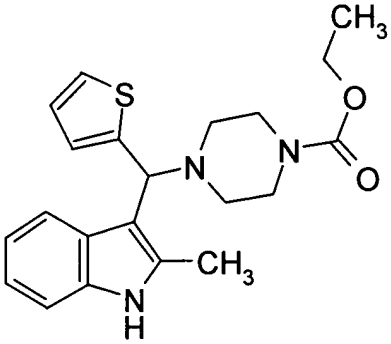
C2.013	
C2.014	
C2.015	

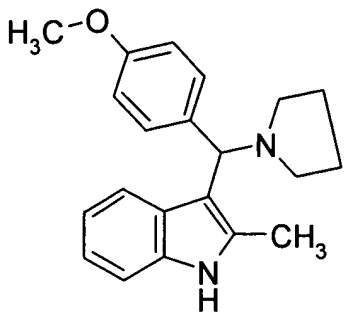
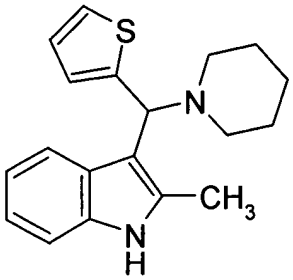
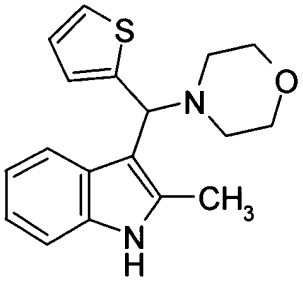
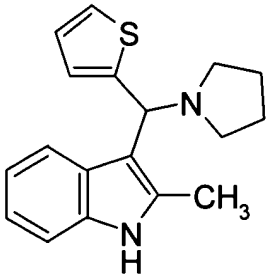
C3.001	
C3.002	

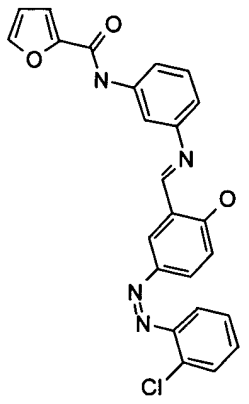
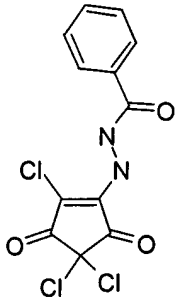
C3.004	

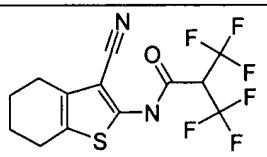
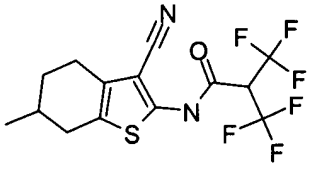
C4.002	
C4.005	
C4.006	
C4.007	

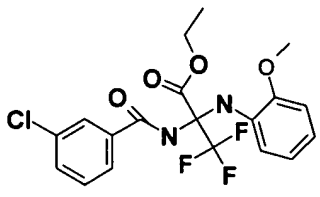
C4.008	
C4.009	
C4.010	
C4.011	

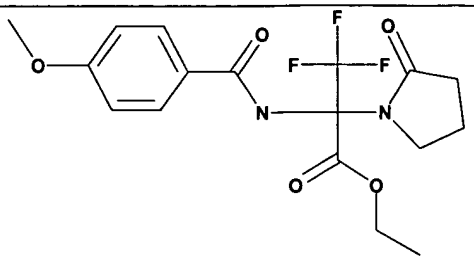
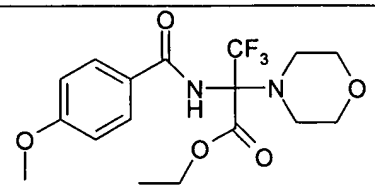
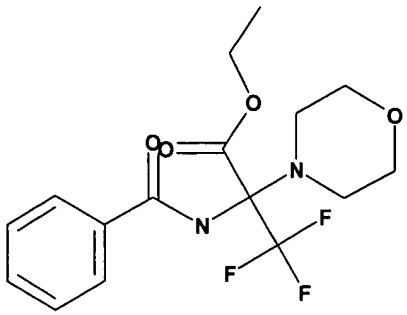
C4.012	
C4.013	
C4.014	
C4.015	

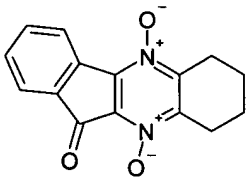
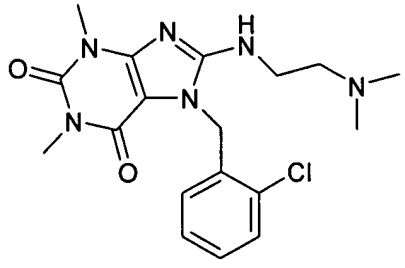
C4.016	
C4.017	
C4.018	
C4.019	

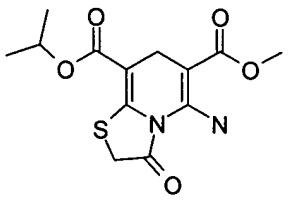
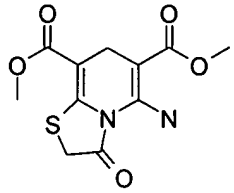
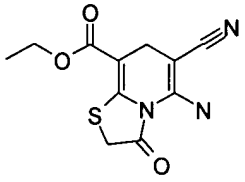
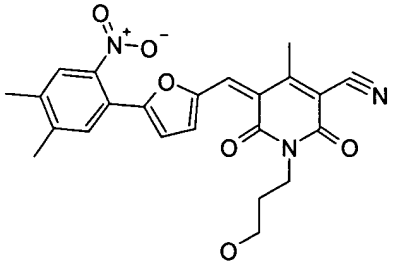
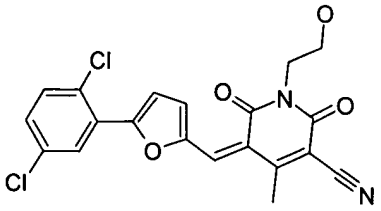
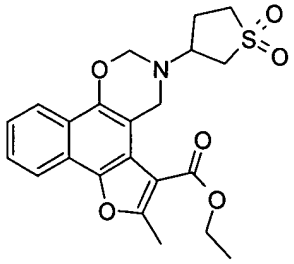
C5.001	
C5.002	

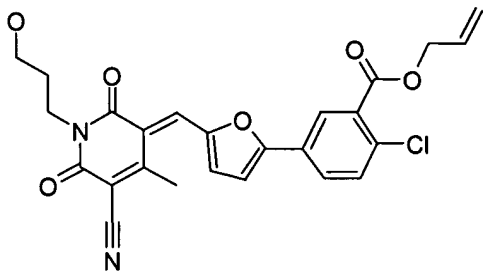
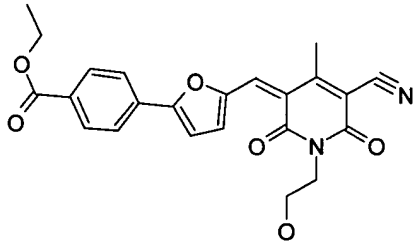
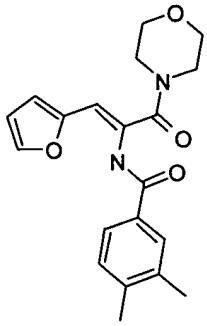
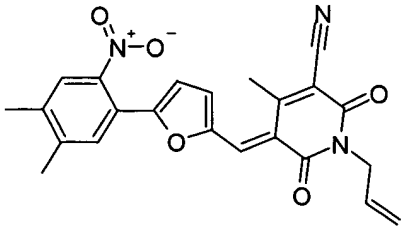
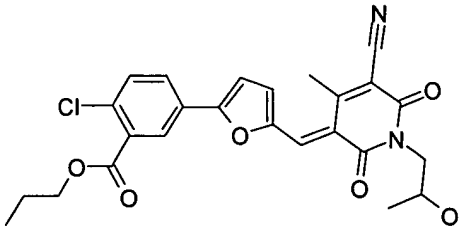
C6.001	
C6.002	

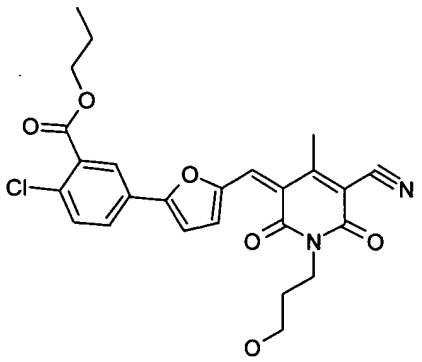
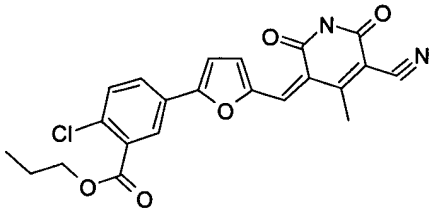
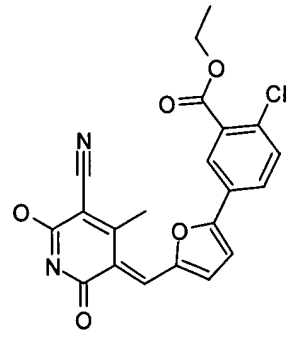
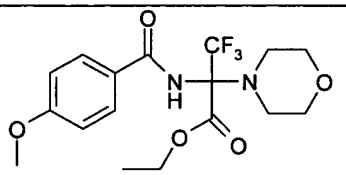
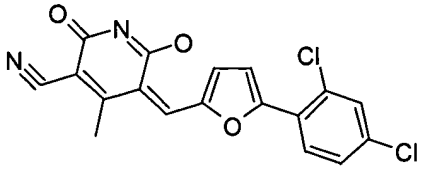
C7.001	

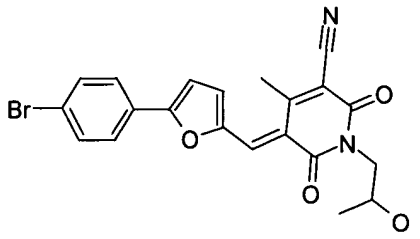
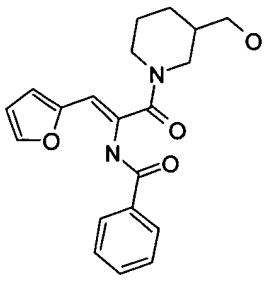
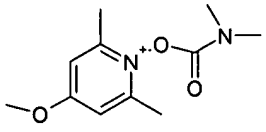
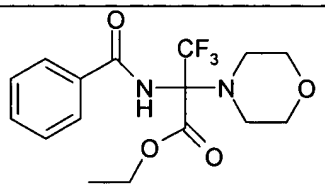
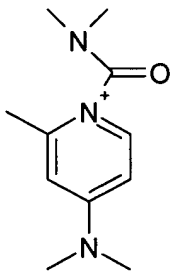
C7.002	
C7.003	
C7.004	

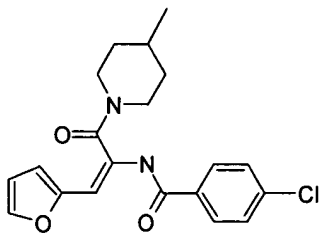
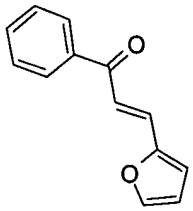
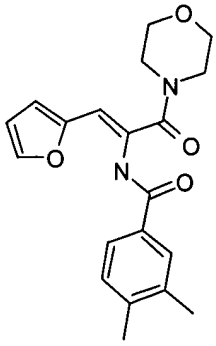
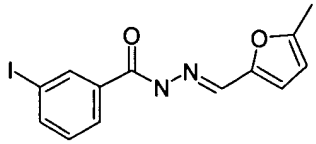
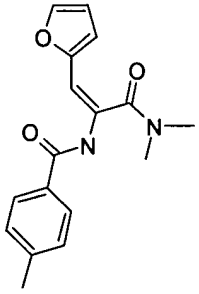
C8.001	
C8.002	

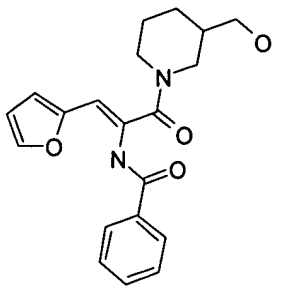
C8.003	
C8.004	
C8.005	
C8.006	
C8.007	
C8.008	

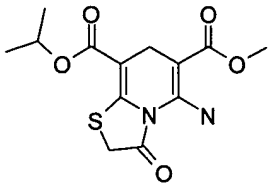
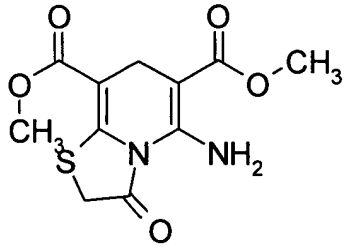
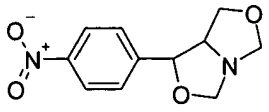
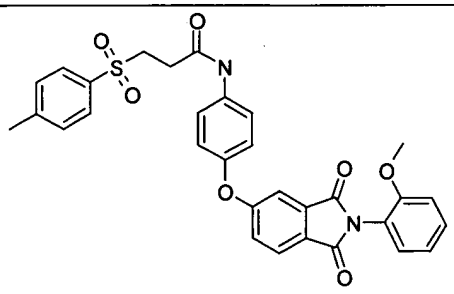
C8.009	
C8.010	
C8.011	
C8.012	
C8.013	

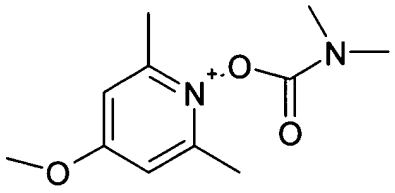
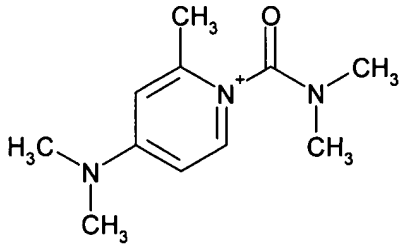
C8.014	
C8.015	
C8.016	
C8.017	
C8.018	

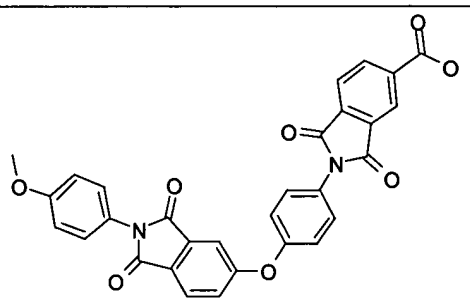
C8.019	
C8.020	
C8.021	
C8.022	
C8.023	

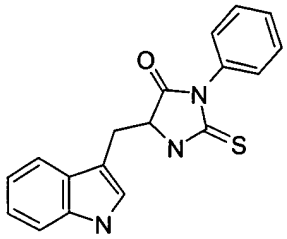
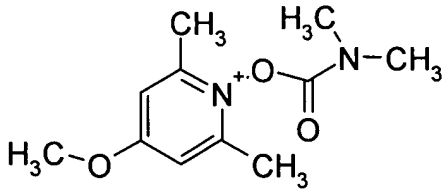
C9.001	
C9.002	
C9.003	
C9.004	
C9.005	

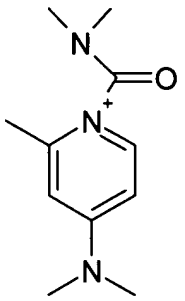
C9.006	

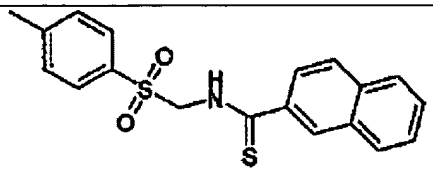
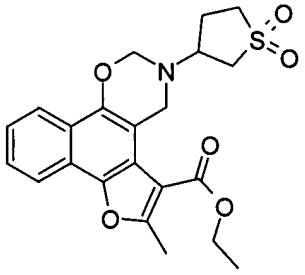
C10.003	
C10.005	
C10.012	
C10.015	

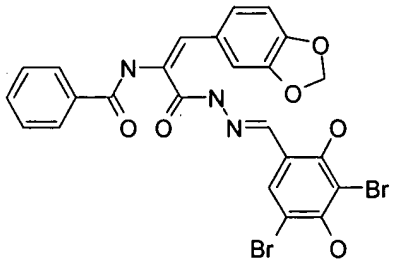
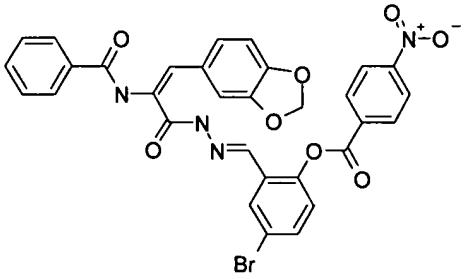
C11.001	
C11.002	

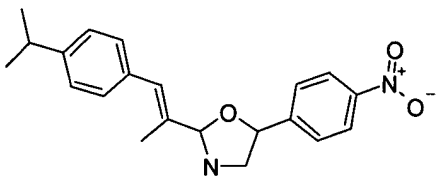
C12.001	

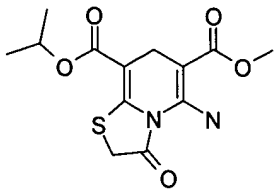
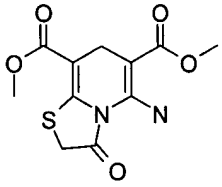
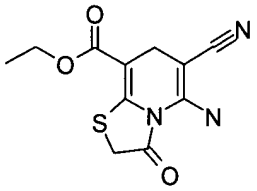
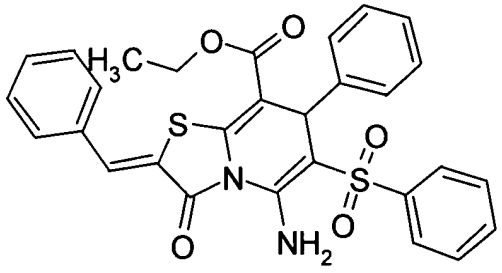
C13.001	
C13.002	

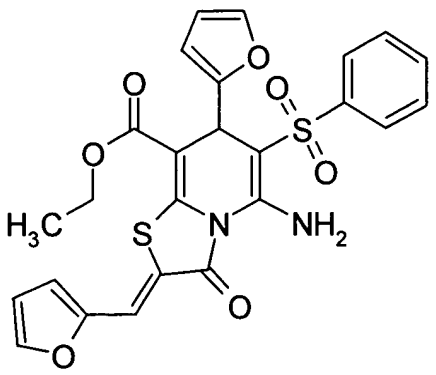
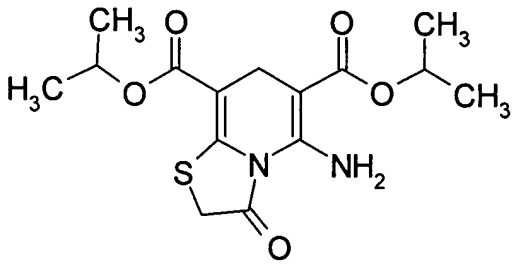
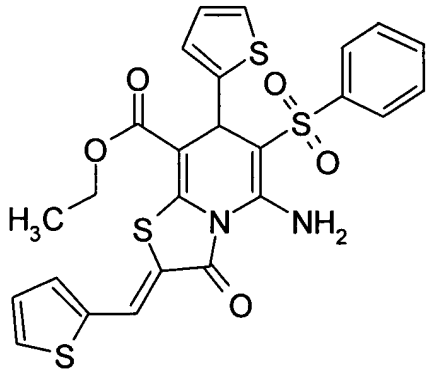
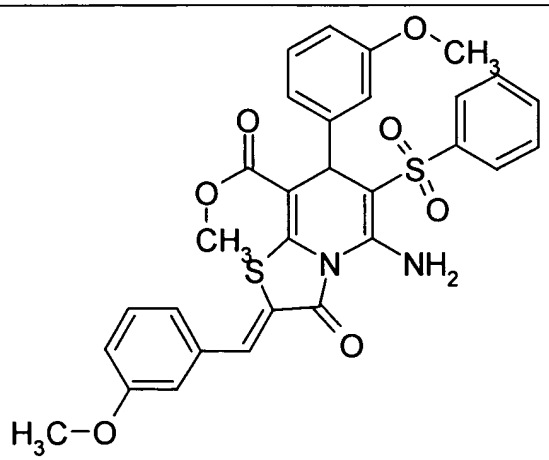
C13.003	

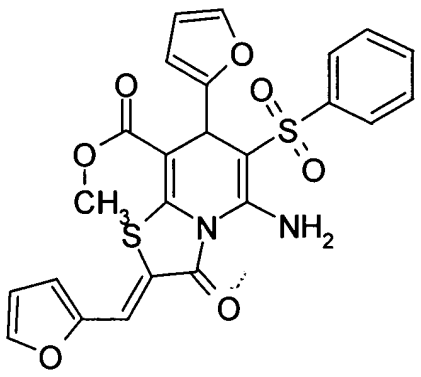
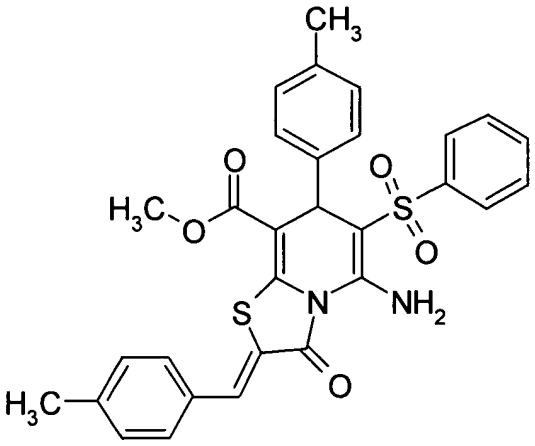
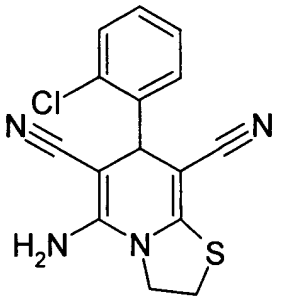
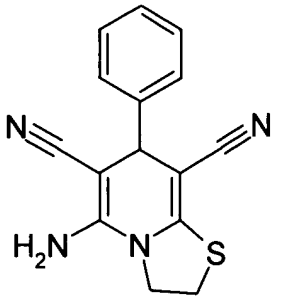
C14.001	
C14.002	

C15.002	
C15.003	

C15.004	

C16.001	
C16.003	
C16.004	
C16.005	

C16.006	
C16.007	
C16.008	
C16.009	

C16.010	
C16.011	
C16.012	
C16.013	

80. (new) A method of inhibiting an activity of at least one enzyme selected from alanyl aminopeptidases, dipeptidyl peptidase and analogous enzymes in a subject in need thereof, wherein the method comprises administering to the subject at least one of a composition of claim 78 and an active ingredient thereof in an amount sufficient for inhibiting the activity of the at least one enzyme.

81. (new) A method of inhibiting an activity of at least one enzyme selected from alanyl aminopeptidases, dipeptidyl peptidase and analogous enzymes in a subject in need thereof, wherein the method comprises administering to the subject at least one of a composition of claim 79 and an active ingredient thereof in an amount sufficient for inhibiting the activity of the at least one enzyme.

82. (new) A method of topically influencing an activity of at least one enzyme selected from alanyl aminopeptidases, dipeptidyl peptidase and analogous enzymes in a subject in need thereof, wherein the method comprises topically administering to the subject at least one of a composition of claim 78 and an active ingredient thereof in an amount sufficient for influencing the activity of the at least one enzyme.

83. (new) A method of topically influencing an activity of at least one enzyme selected from alanyl aminopeptidases, dipeptidyl peptidase and analogous enzymes in a subject in need thereof, wherein the method comprises topically administering to the subject at least one of a composition of claim 79 and an

active ingredient thereof in an amount sufficient for influencing the activity of the at least one enzyme.

84. (new) A method of preventing or treating at least one condition selected from multiple sclerosis, Morbus Crohn, Colitis ulcerosa, rheumatoid arthritis, diabetes type I, autoimmune thyroid gland diseases, Morbus Wegener, systemic Lupus erythematosus visceralis and other autoimmune diseases; inflammatory diseases; allergic asthma bronchiale, allergic rhinitis, food allergy, atopic eczema, contact dermatitis, urticaria, angioedema and other allergic diseases; rejection of allogenic or xenogenic transplanted organs, tissues and cells such as, e.g. kidney, heart, liver, pancreas, skin or stem cell transplants; graft-versus-host diseases; skin and mucosa diseases such as, e.g., psoriasis, and acne; dermatological diseases associated with a hyperproliferation and changed differentiation states of fibroblasts (*inter alia*, benign fibrosing and sclerosing skin diseases and malign fibroblastar hyperproliferation states); acute neuronal diseases, in particular ischemia-caused cerebral damages after an ischemic or hemorrhagic stroke, cranio-cerebral trauma, cardiac arrest, myocardial infarction or as a consequence of heart surgery; chronic neuronal diseases, in particular Morbus Alzheimer, Pick's disease, Progressive Supranuclear Palsy, cortical degeneration, frontotemporal dementia, Morbus Parkinson, Morbus Huntington, prion-caused diseases and amyotrophic lateral sclerosis; chronic obstructive pulmonal diseases (COPD); prostata carcinoma and other tumors as well as metastases; Heavy Acute Respiratory Syndrome (SARS); and sepsis and sepsis-

like conditions in a subject in need thereof, wherein the method comprises administering to the subject at least one of a composition of claim 78 and an active ingredient thereof in an amount sufficient for preventing or treating the at least one condition.

85. (new) A method of preventing or treating at least one condition selected from multiple sclerosis, Morbus Crohn, Colitis ulcerosa, rheumatoid arthritis, diabetes type I, autoimmune thyroid gland diseases, Morbus Wegener, systemic Lupus erythematosus visceralis and other autoimmune diseases; inflammatory diseases; allergic asthma bronchiale, allergic rhinitis, food allergy, atopic eczema, contact dermatitis, urticaria, angioedema and other allergic diseases; rejection of allogenic or xenogenic transplanted organs, tissues and cells such as, e.g. kidney, heart, liver, pancreas, skin or stem cell transplants; graft-versus-host diseases; skin and mucosa diseases such as, e.g., psoriasis, and acne; dermatological diseases associated with a hyperproliferation and changed differentiation states of fibroblasts (*inter alia*, benign fibrosing and sclerosing skin diseases and malign fibroblastar hyperproliferation states); acute neuronal diseases, in particular ischemia-caused cerebral damages after an ischemic or hemorrhagic stroke, cranio-cerebral trauma, cardiac arrest, myocardial infarction or as a consequence of heart surgery; chronic neuronal diseases, in particular Morbus Alzheimer, Pick's disease, Progressive Supranuclear Palsy, cortical degeneration, frontotemporal dementia, Morbus Parkinson, Morbus Huntington, prion-caused diseases and amyotrophic lateral sclerosis; chronic obstructive

pulmonal diseases (COPD); prostata carcinoma and other tumors as well as metastases; Heavy Acute Respiratory Syndrome (SARS); and sepsis and sepsis-like conditions in a subject in need thereof, wherein the method comprises administering to the subject at least one of a composition of claim 79 and an active ingredient thereof in an amount sufficient for preventing or treating the at least one condition.

86. (new) A method of preventing or treating at least one condition selected from atherosclerosis, arterial inflammation, reperfusion syndrome and stent restenosis, for example after a percutaneous transluminal angioplasty, in a subject in need thereof, wherein the method comprises administering to the subject at least one of a composition of claim 78 and an active ingredient thereof in an amount sufficient for preventing or treating the at least one condition.

87. (new) The method of claim 86, wherein the method comprises administering the at least one of a composition and an active ingredient thereof by using a stent which is coated with the at least one of a composition and an active ingredient thereof.

88. (new) A stent which is coated with at least one of a composition of claim 78 and an active ingredient thereof.

89. (new) A method of preventing or treating at least one condition selected from atherosclerosis, arterial inflammation, reperfusion syndrome and stent restenosis, for example after a percutaneous transluminal angioplasty, in a subject in need thereof, wherein the method comprises administering to the subject at least one of a composition of claim 79 and an active ingredient thereof in an amount sufficient for preventing or treating the at least one condition.

90. (new) The method of claim 89, wherein the method comprises administering the at least one of a composition and an active ingredient thereof by using a stent which is coated with the at least one of a composition and an active ingredient thereof.

91. (new) A stent which is coated with at least one of a composition of claim 79 and an active ingredient thereof.

92. (new) A method of preventing or treating an inflammation reaction at, or caused by, a medical device implanted into an organism, wherein the method comprises administering to the organism at least one of a composition of claim 78 and an active ingredient thereof in an amount sufficient for preventing or treating the inflammation reaction.

93. (new) The method of claim 92, wherein the method comprises administering the at least one of a composition and an active ingredient thereof

at least one of as a coating or layer on the medical device and incorporated in the medical device.

94. (new) The method of claim 92, wherein the method comprises administering the at least one of a composition and an active ingredient thereof by at least one of a local and a systemic administration successively or concurrently.

95. (new) A method of preventing or treating an inflammation reaction at, or caused by, a medical device implanted into an organism, wherein the method comprises administering to the organism at least one of a composition of claim 79 and an active ingredient thereof in an amount sufficient for preventing or treating the inflammation reaction.

96. (new) The method of claim 95, wherein the method comprises administering the at least one of a composition and an active ingredient thereof at least one of as a coating or layer on the medical device and incorporated in the medical device.

97. (new) The method of claim 95, wherein the method comprises administering the at least one of a composition and an active ingredient thereof by at least one of a local and a systemic administration successively or concurrently.